

## LA-UR-15-22666

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Title: RD 2015 Profile

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Intended for: R & D 100 Nomination: LANL Overview (will be included with each of the nomination packages).

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# Los Alamos National Laboratory



*Delivering science and technology to protect our nation and promote world stability*

A vital, multidisciplinary national security science laboratory, Los Alamos National Laboratory applies science and technology to help solve the nation's toughest challenges. Outstanding science is the foundation for the past, present, and future. A rich variety of research programs directly and indirectly support the Laboratory's basic mission: to ensure the safety, security, and reliability of the nation's nuclear deterrent; reduce global threats; and solve emerging national security energy challenges. The Laboratory also works on nuclear nonproliferation and border security, energy and infrastructure security, and measures to counter nuclear and biological terrorist threats.

As a foundation, the Laboratory conducts fundamental science in the following areas:

- high-energy and applied physics and theory
- high-performance computing
- dynamic and energetic materials science
- superconductivity
- quantum information
- advanced materials
- bioinformatics
- theoretical and computational biology
- chemistry
- earth and environmental science
- energy and infrastructure security
- engineering sciences and applications
- nanotechnology

## Los Alamos at a Glance

### Location

Located in Los Alamos, New Mexico,  
35 miles northwest of Santa Fe

### Type

Multiprogram Lab

### Contract Operator

Los Alamos National Security, LLC

### Workforce

Total Employees: 10,199

LANS Employees: 7,445

Contractors: 323

Students: 953

Post-doctoral researchers: 365

### Physical Assets

36 square miles on DOE-owned property

More than 2,000 individual facilities  
with 8 million square feet under roof

### Operating Budget, FY 2015

Approx. \$2.1 billion

### Major Awards

124 R&D 100 awards since 1978

31 E.O. Lawrence Awards

The Seaborg Medal

The Edward Teller Medal

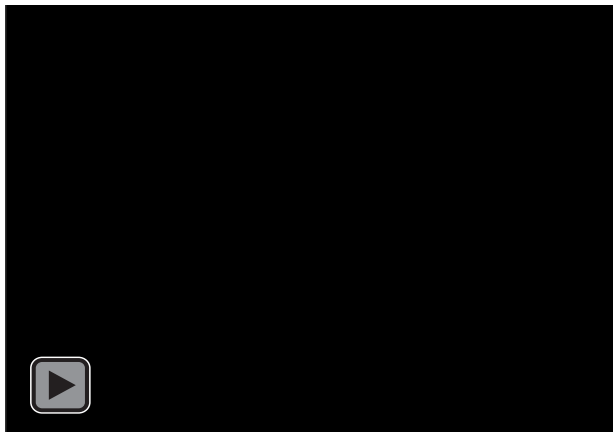
The Nobel Prize in Physics,  
Frederick Reines

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*Laboratory Director Charlie McMillan discusses  
Los Alamos research and development*